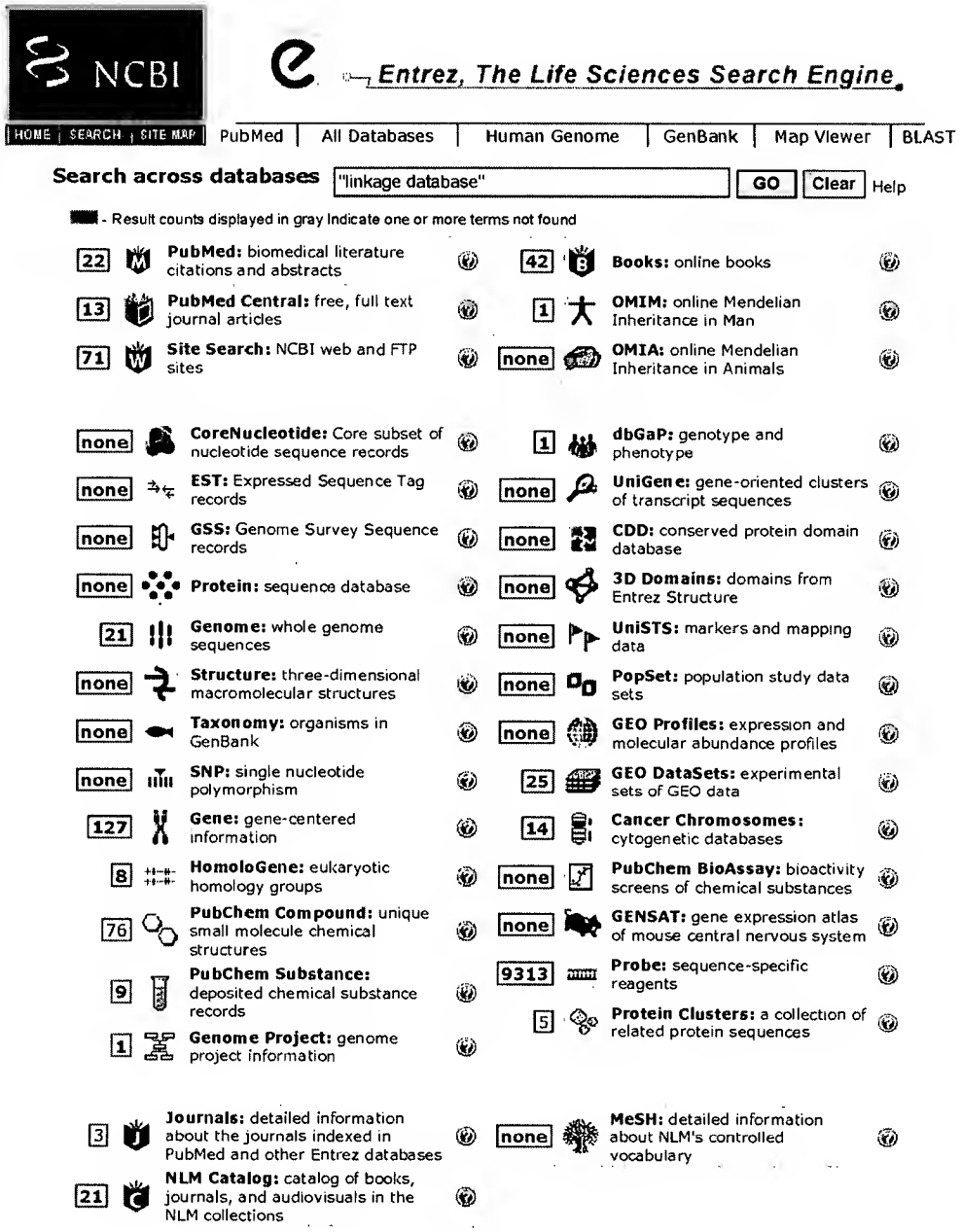
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HOME | SEARCH | SITE MAP
PubMed | All Databases | Human Genome | GenBank | Map Viewer | BLAST
Search across databases "linkage database" GO Clear Help
- Result counts displayed in gray indicate one or more terms not found
22 PubMed: biomedical literature citations and abstracts
13 PubMed Central: free, full text journal articles
71 Site Search: NCBI web and FTP sites
42 Books: online books
1 OMIM: online Mendelian Inheritance in Man
none OMIA: online Mendelian Inheritance in Animals
none CoreNucleotide: Core subset of nucleotide sequence records
none EST: Expressed Sequence Tag records
none GSS: Genome Survey Sequence records
none Protein: sequence database
21 Genome: whole genome sequences
none Structure: three-dimensional macromolecular structures
none Taxonomy: organisms in GenBank
none SNP: single nucleotide polymorphism
127 Gene: gene-centered information
8 HomoloGene: eukaryotic homology groups
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9 PubChem Substance: deposited chemical substance records
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1 dbGaP: genotype and phenotype
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25 GEO DataSets: experimental sets of GEO data
14 Cancer Chromosomes: cytogenetic databases
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none GENSAT: gene expression atlas of mouse central nervous system
9313 Probe: sequence-specific reagents
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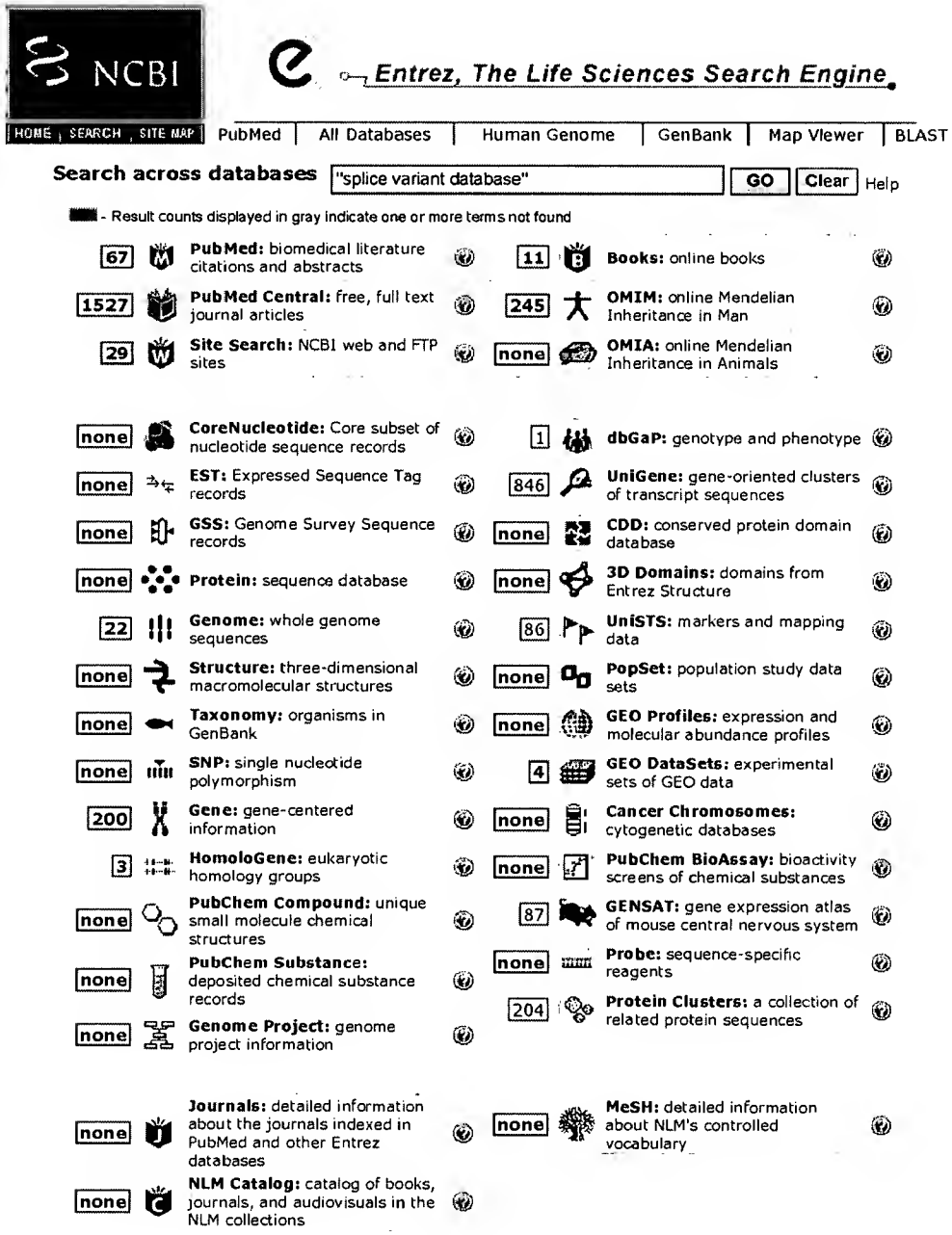
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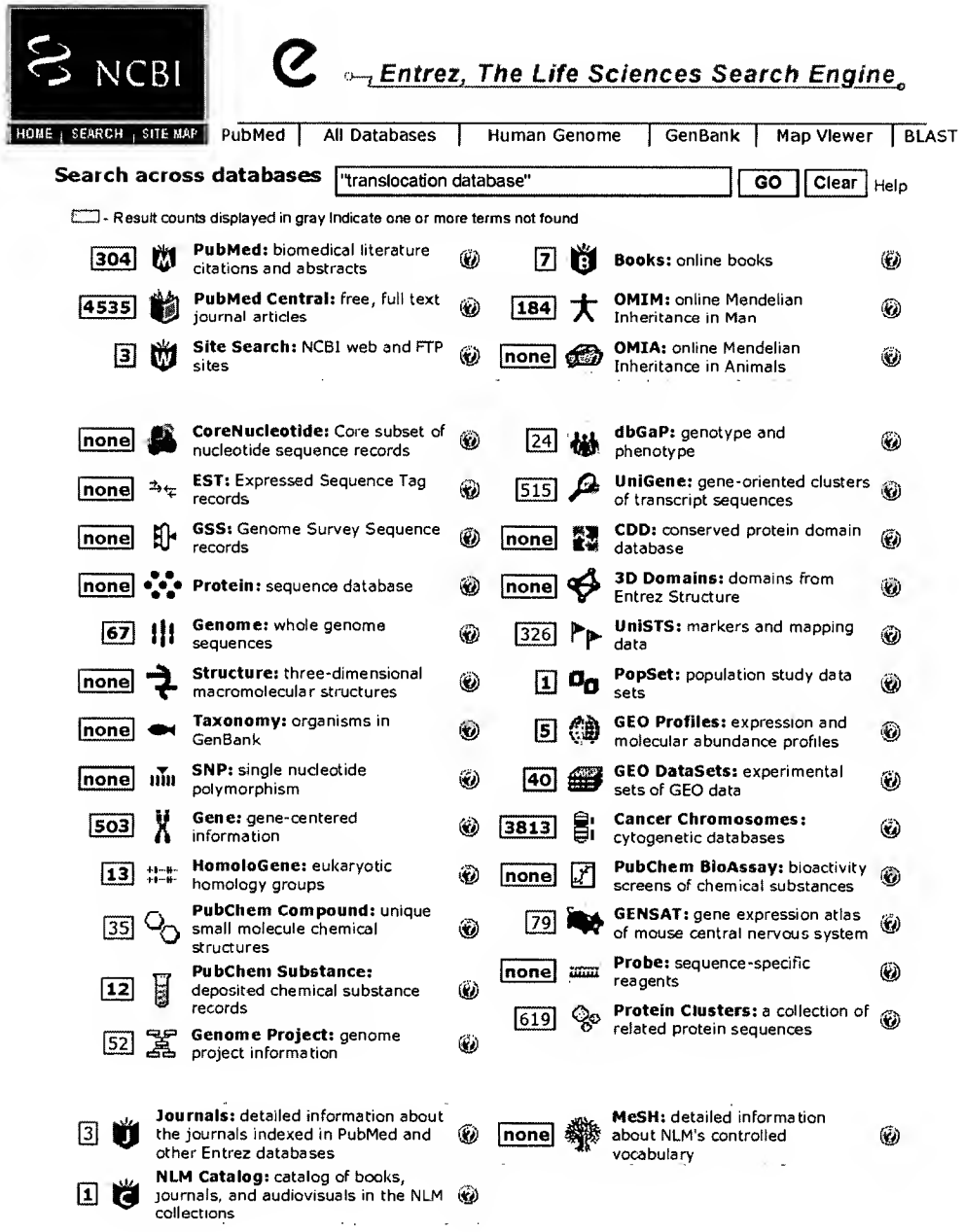
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Search across databases "translocation database" GO Clear Help
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4535 PubMed Central: free, full text journal articles
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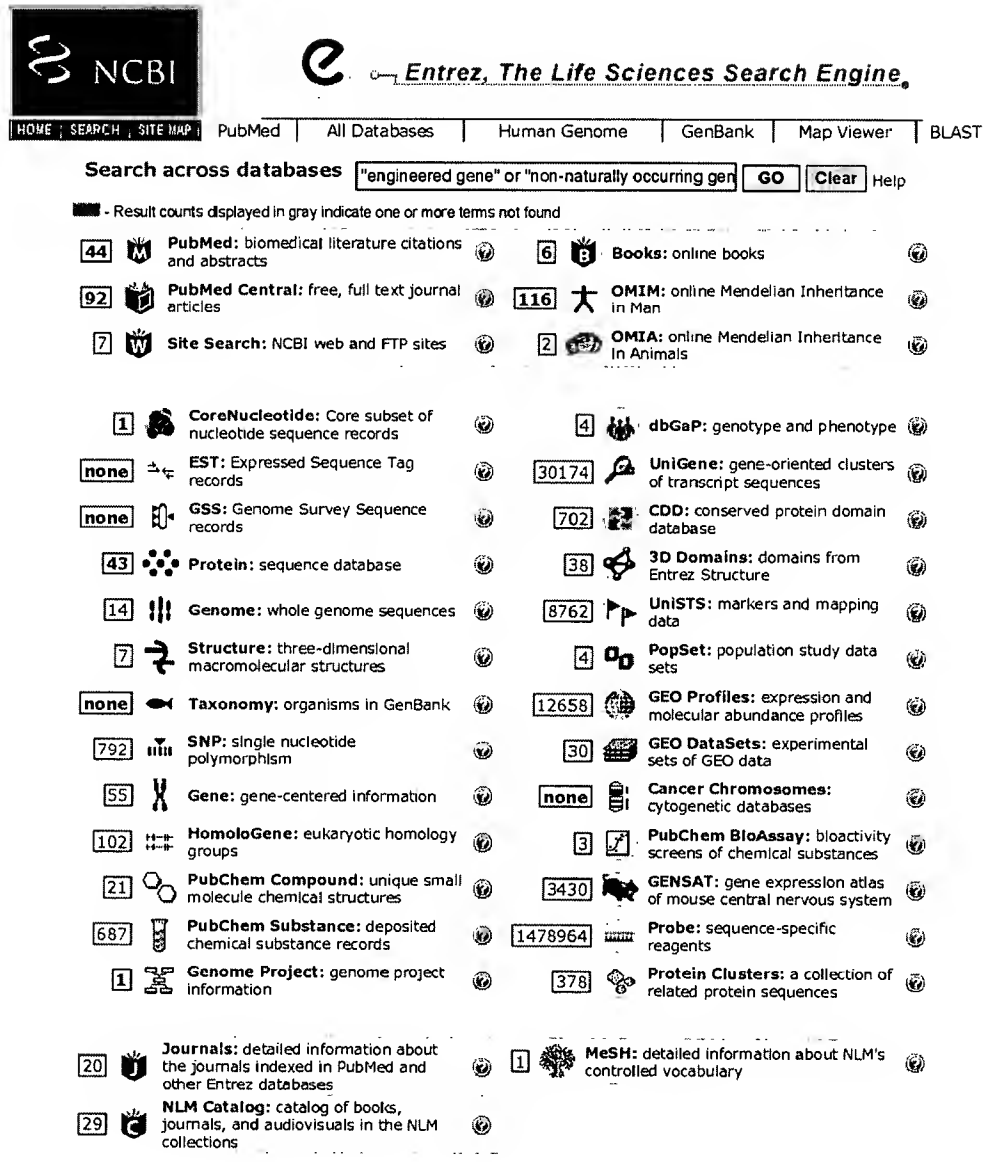
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Search across databases
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GO
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792 SNP: single nucleotide polymorphism
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102 HomoloGene: eukaryotic homology groups
21 PubChem Compound: unique small molecule chemical structures
687 PubChem Substance: deposited chemical substance records
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4 dbGaP: genotype and phenotype
30174 UniGene: gene-oriented clusters of transcript sequences
702 CDD: conserved protein domain database
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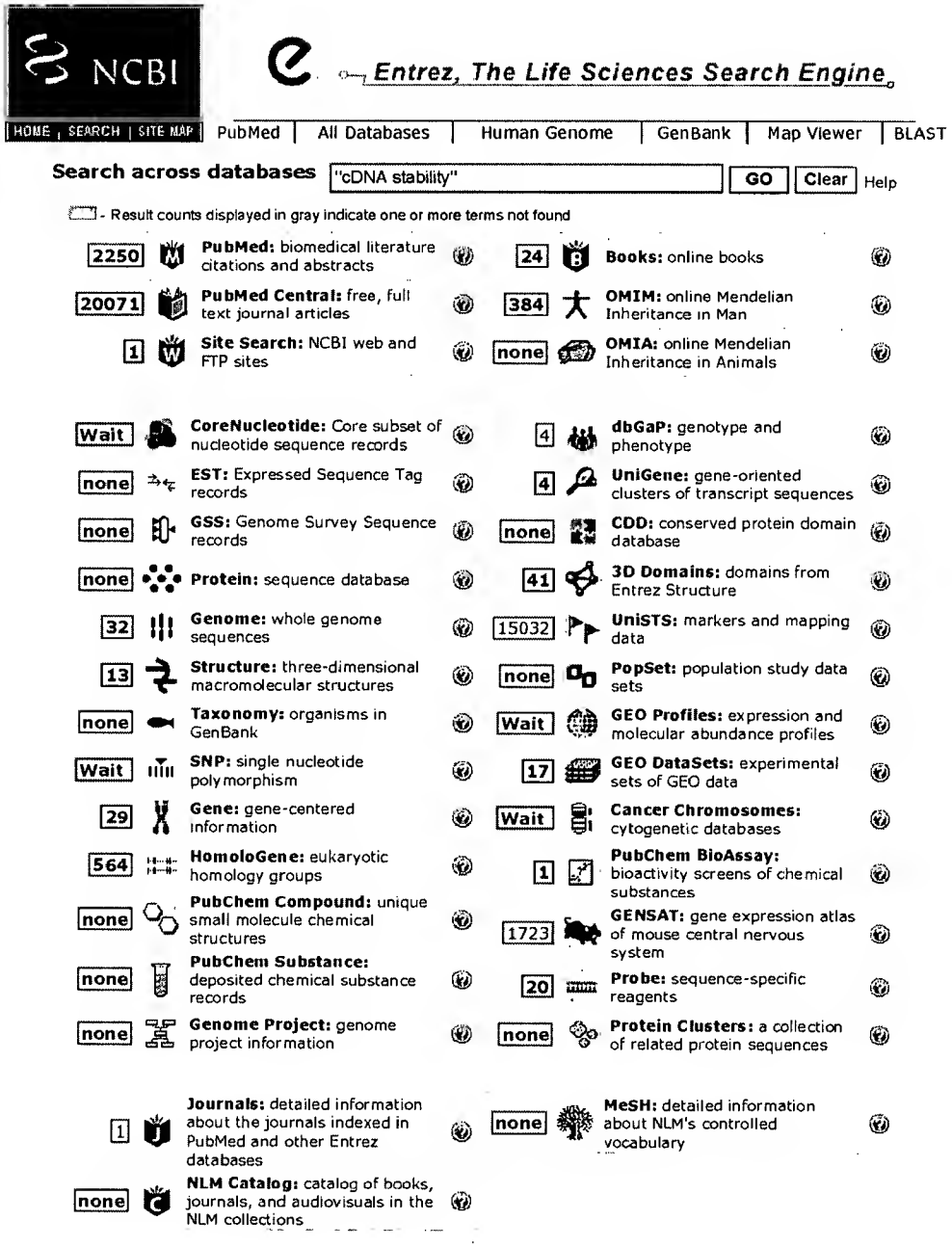
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2250 PubMed: biomedical literature citations and abstracts
20071 PubMed Central: free, full text journal articles
1 Site Search: NCBI web and FTP sites
24 Books: online books
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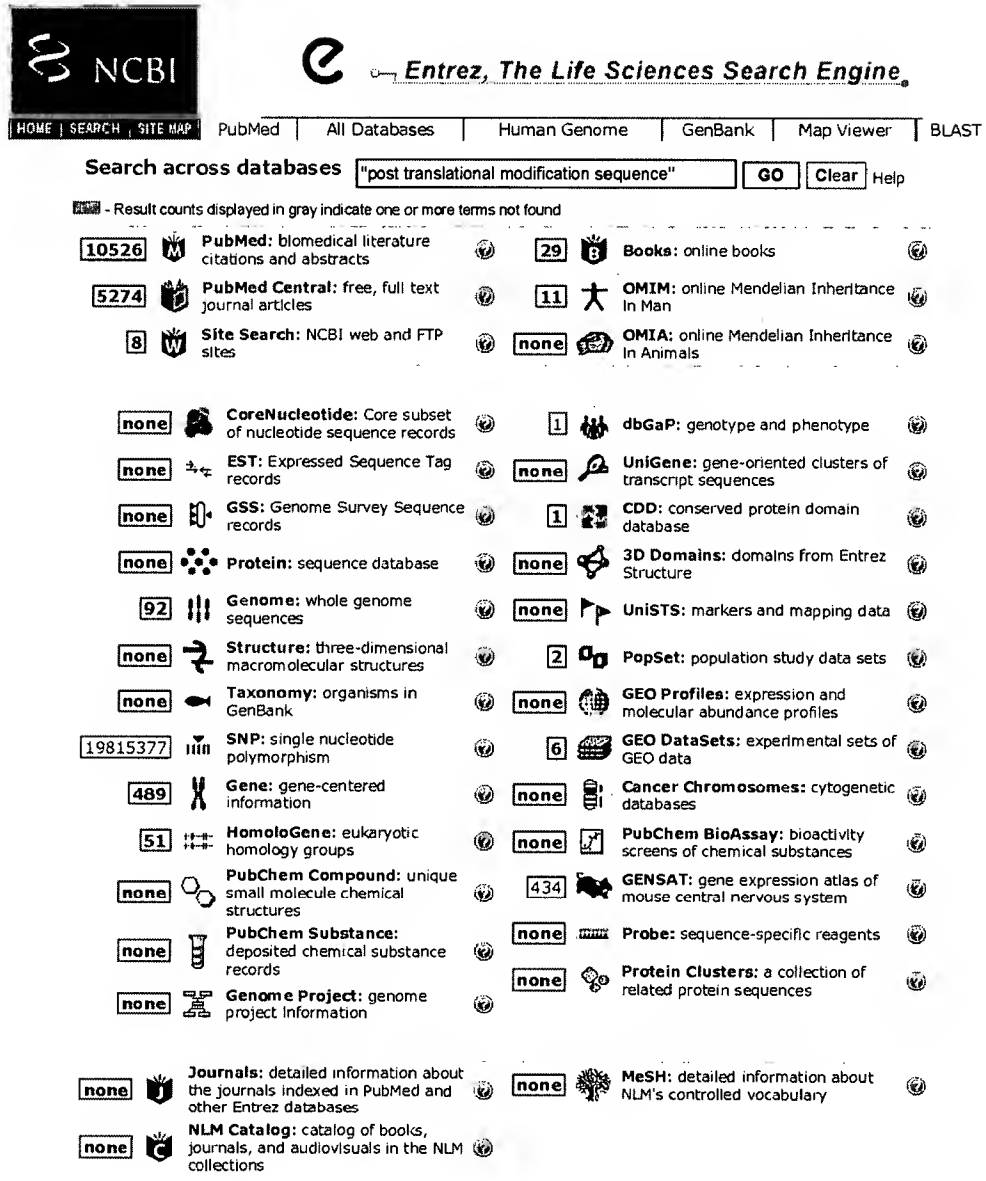
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PubMed | All Databases | Human Genome | GenBank | Map Viewer | BLAST
Search across databases
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19815377 SNP: single nucleotide polymorphism
489 Gene: gene-centered information
51 HomoloGene: eukaryotic homology groups
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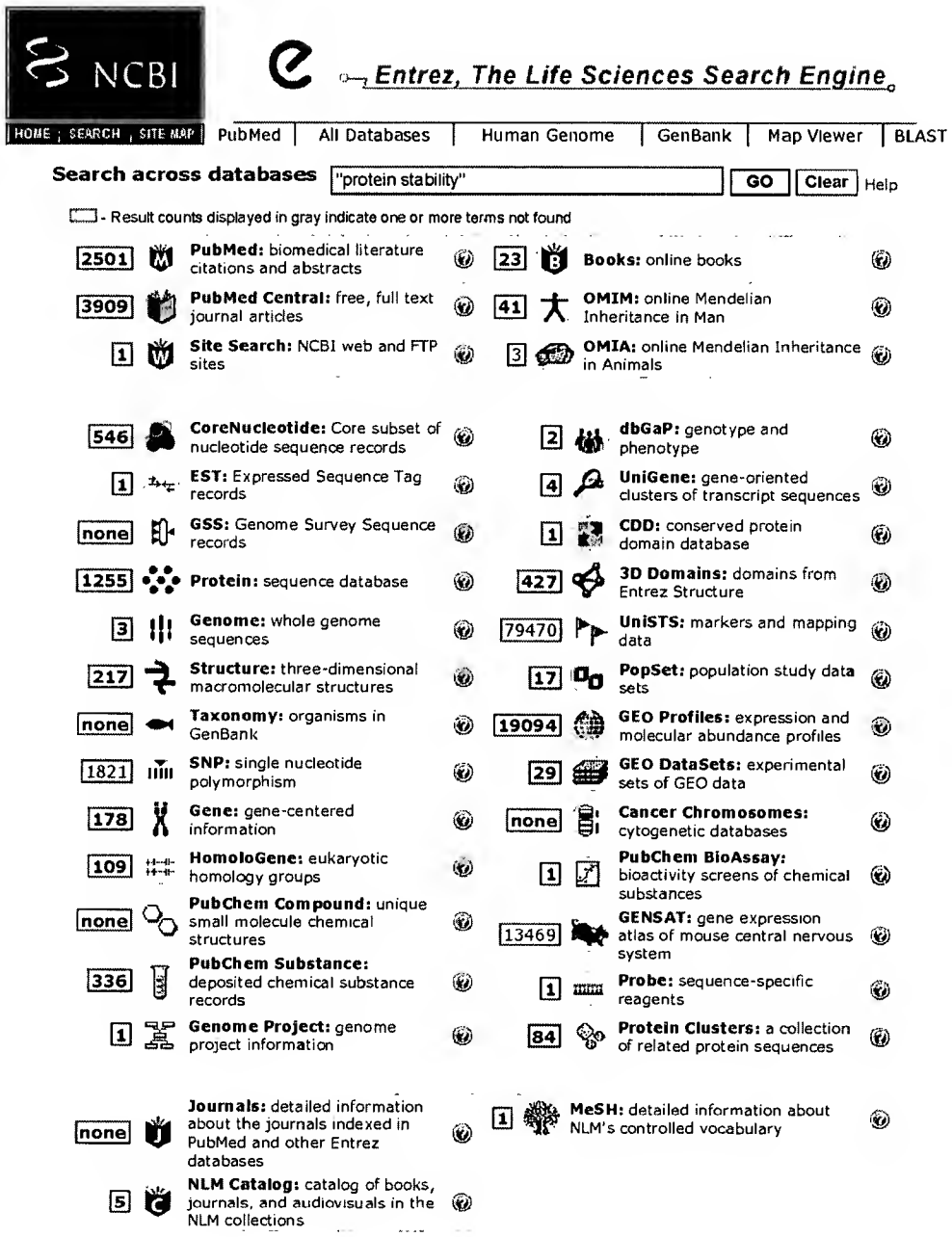
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Search across databases "protein stability" GO Clear Help
- Result counts displayed in gray indicate one or more terms not found
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23 Books: online books
3909 PubMed Central: free, full text journal articles
41 OMIM: online Mendelian Inheritance in Man
1 Site Search: NCBI web and FTP sites
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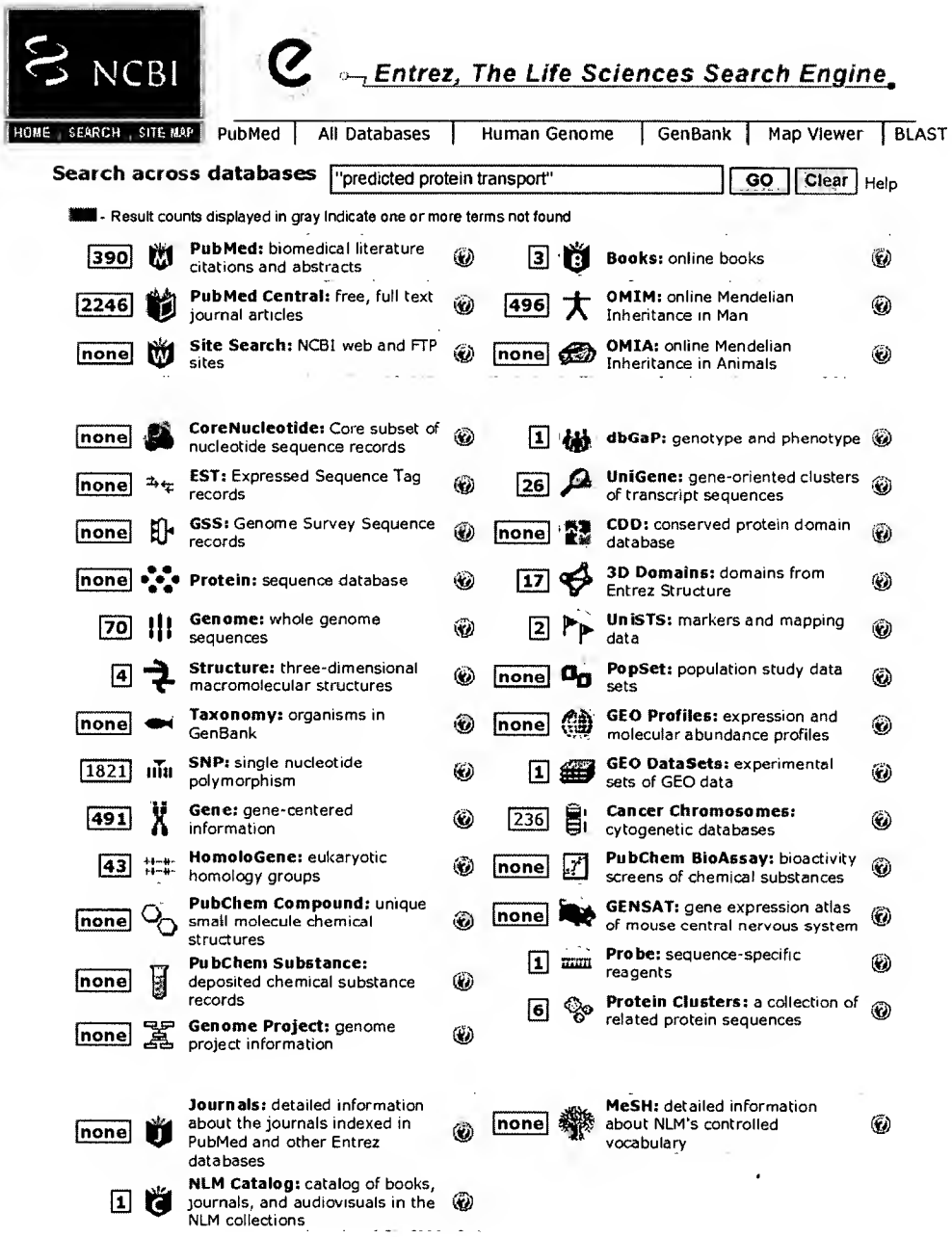
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Search across databases
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2246 PubMed Central: free, full text journal articles
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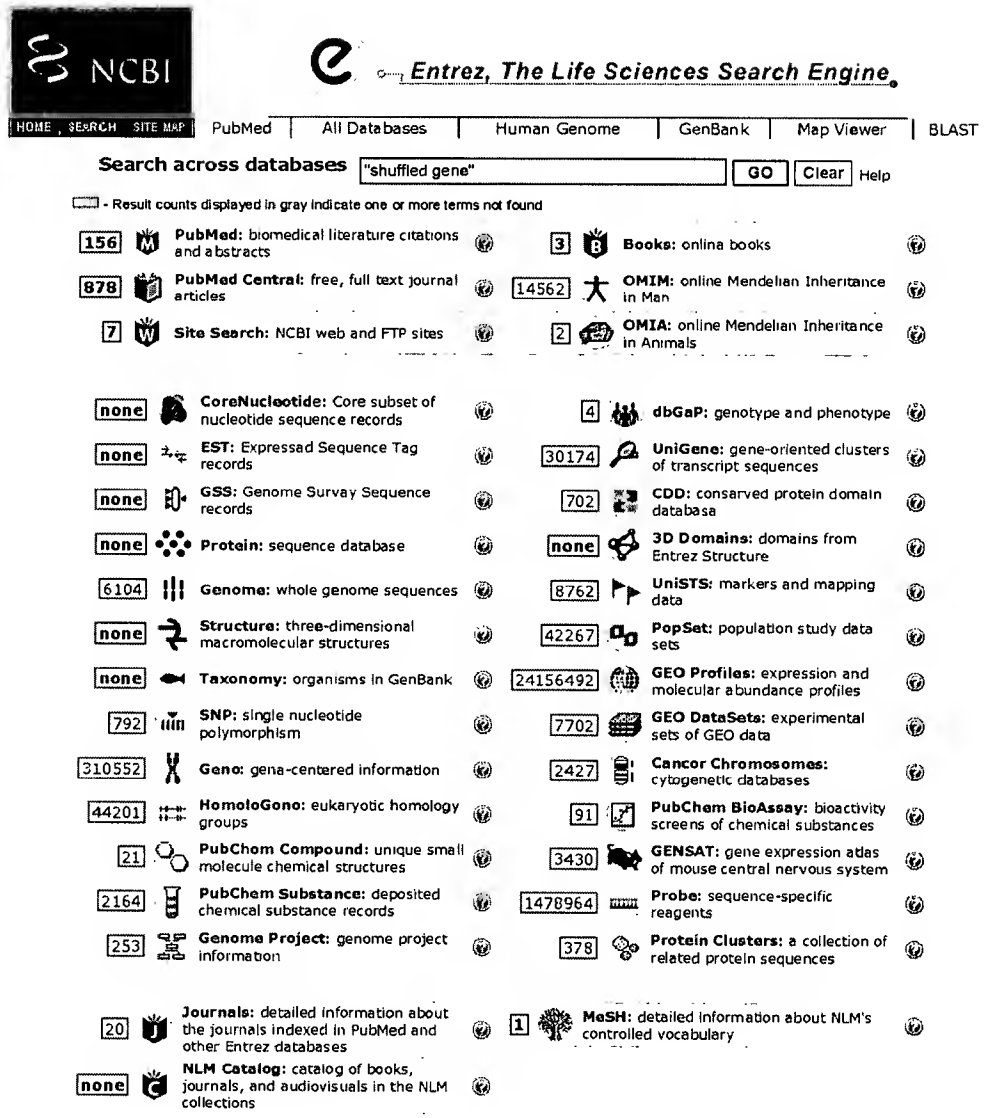
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878 PubMed Central: free, full text journal articles
14562 OMIM: online Mendelian Inheritance in Man
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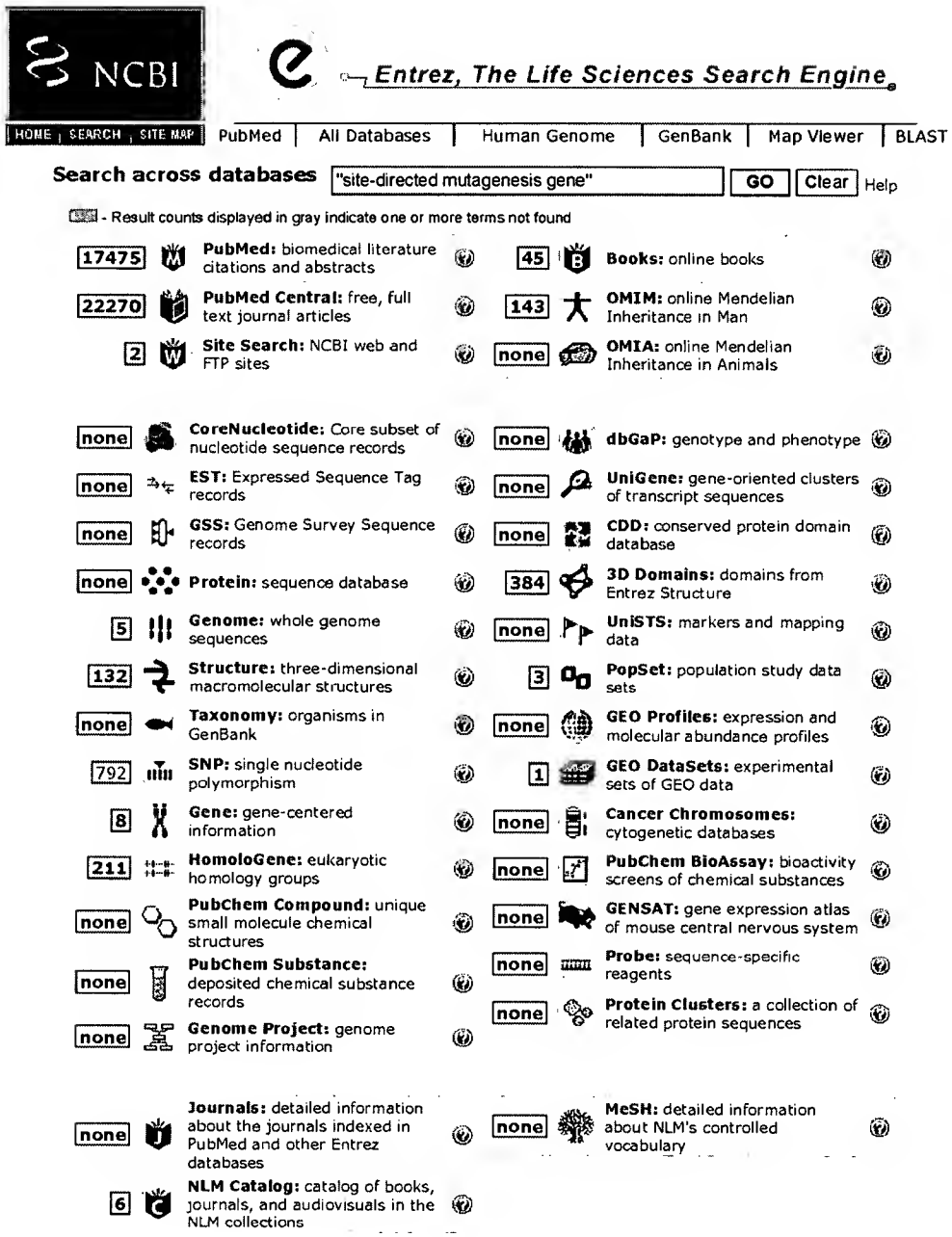
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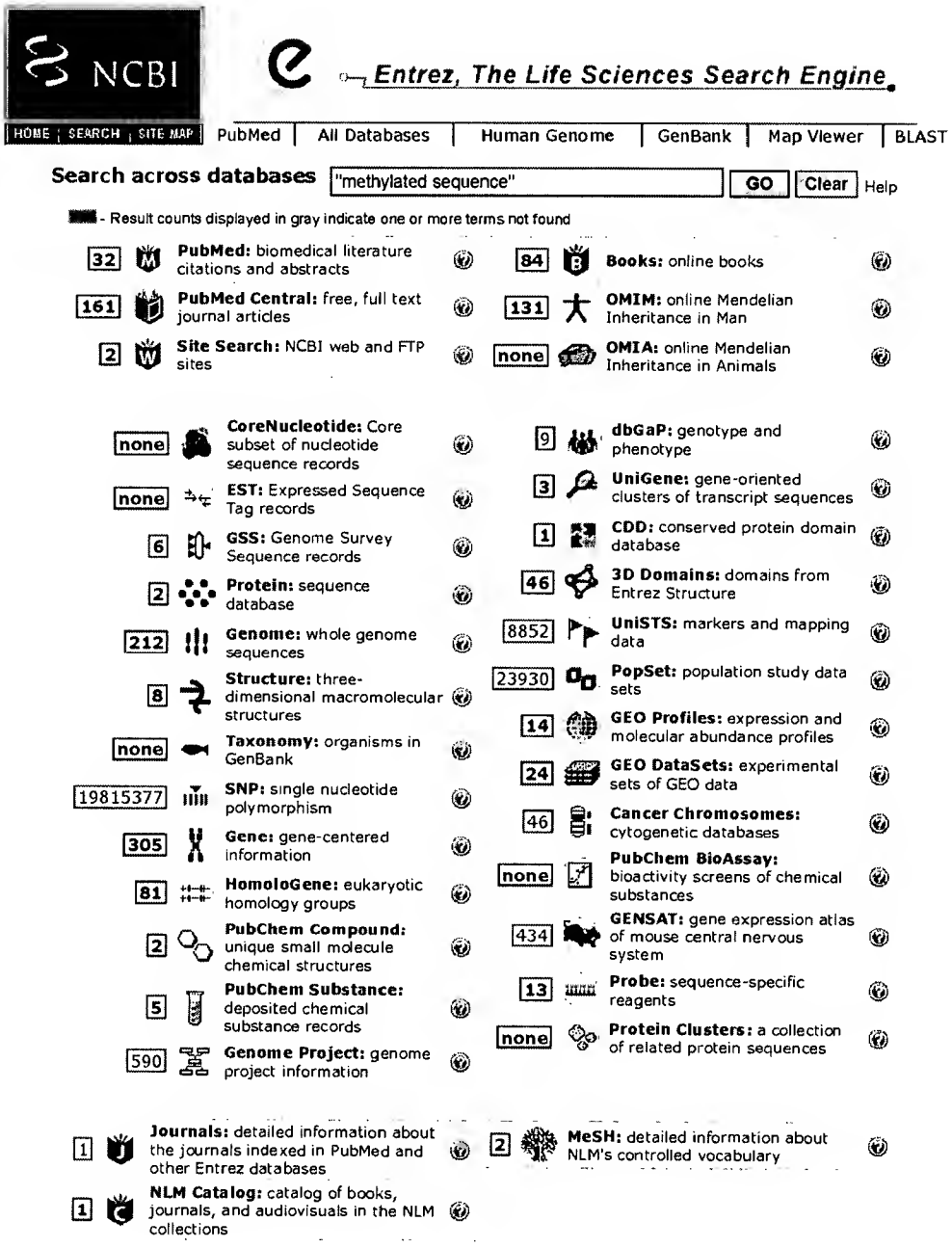
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PubMed | All Databases | Human Genome | GenBank | Map Viewer | BLAST
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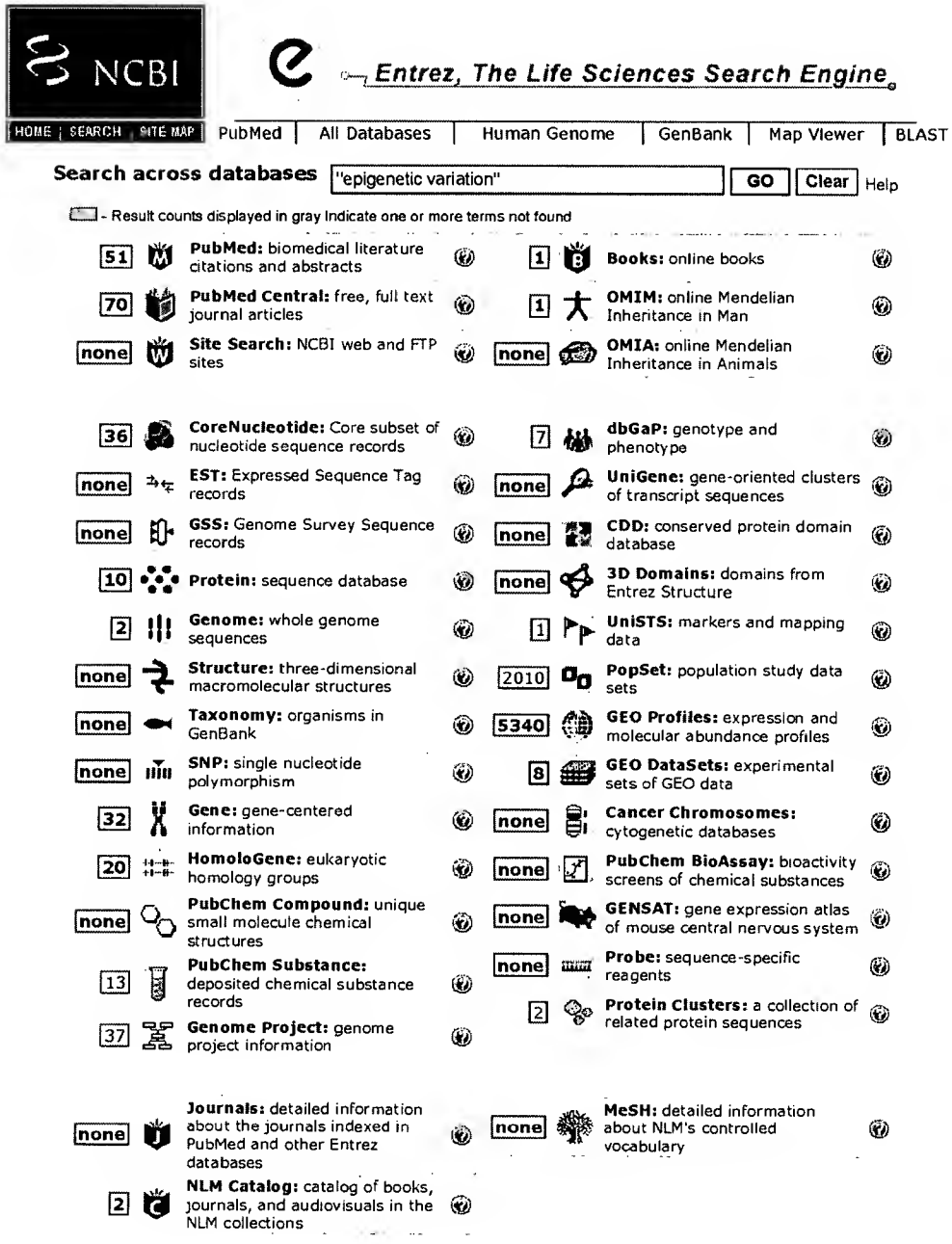
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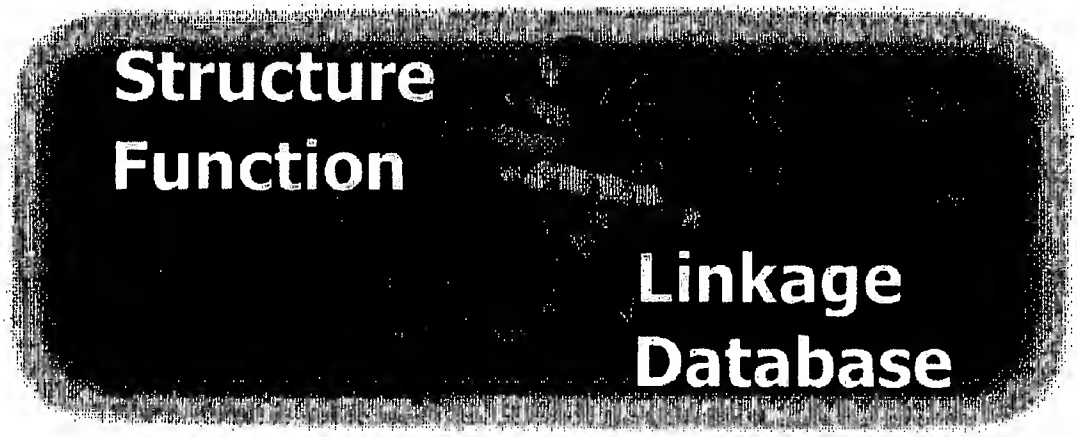

Welcome to the Structure-Function Linkage Database

What is the SFLD?

- A database that links evolutionarily related sequences and structures from mechanistically diverse superfamilies of enzymes to their chemical reactions
- Correlates conserved active site residues with specific partial reactions that all members of a superfamily perform (more details)

What can I use the SFLD for?

- Classify a sequence into the nearest superfamily and retrieve the associated sequences, structures, and chemical reactions of even diverse relatives
- Infer function of a sequence by viewing it in the context of curated proteins at the superfamily and family level

What makes the SFLD unique?

- The SFLD correlates conserved partial reactions associated with active site similarities in all members of a superfamily
- Provides the ability to search for related proteins by their partial chemical reactions

How can I use the SFLD? (Instructions & Caveats)

- Browse by superfamily, subgroup, and family
- Browse by reaction (overall)
- Search by enzyme (GI number or name)
- Search by reaction (overall or partial)
- Classify a sequence into a superfamily, subgroup, or family

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